

APS search
serial no. 08/238,444
art unit 2615

page no. 1

8/30/94

```
* * * * *
*           W E L C O M E   T O   T H E           *
*           U . S .   P A T E N T   T E X T   F I L E   *
* * * * *
```

=> s grayscale or gray scale or greyscale or grey scale

```
171 GRAYSCALE
21098 GRAY
254402 SCALE
3510 GRAY SCALE
      (GRAY(W) SCALE)
107 GREYSCALE
11824 GREY
254402 SCALE
1330 GREY SCALE
      (GREY(W) SCALE)
```

L1 4755 GRAYSCALE OR GRAY SCALE OR GREYSCALE OR GREY SCALE

=> s l1 and (frame# or field#)

```
317270 FRAME#
843192 FIELD#
```

L2 3843 L1 AND (FRAME# OR FIELD#)

=> s l2 and compar? (p) (field# or frame#)

SEARCH ENDED BY USER

=> s l1 and 345/clas

```
9546 345/CLAS
```

L3 527 L1 AND 345/CLAS

=> s l3 and compare (p) (frame or field)

```
58992 COMPARE
306656 FRAME
826220 FIELD
```

```
3945 COMPARE (P) (FRAME OR FIELD)
```

L4 6 L3 AND COMPARE (P) (FRAME OR FIELD)

=> d 1-6

1. 5,266,941, Nov. 30, 1993, Apparatus and method for controlling storage of display information in a computer system; Kurt Akeley, et al., **345/201**, **24**, **133** [IMAGE AVAILABLE]

2. 5,062,001, Oct. 29, 1991, **Gray** **scale** system for visual

APS search
serial no. 08/238,444
art unit 2615

page no. 2

displays; Randall S. Farwell, et al., 348/761; **345/147**, **152**;
348/256, 671 [IMAGE AVAILABLE]

3. 4,531,160, Jul. 23, 1985, Display processor system and method; Dennis
C. Ehn, 348/798; **345/147**; 348/739; 358/298 [IMAGE AVAILABLE]

4. 4,471,349, Sep. 11, 1984, Phantom raster generating apparatus
scanning TV image memory in angular and orthogonal coordinates;
Christopher H. Strolle, **345/126**, **138** [IMAGE AVAILABLE]

5. 4,009,335, Feb. 22, 1977, **Gray** **scale** display system employing
digital encoding; Robert A. Payne, et al., 348/798; **345/147** [IMAGE
AVAILABLE]

6. 3,988,533, Oct. 26, 1976, Video-type universal motion and intrusion
detection system; Peter Mick, et al., 348/155; **345/117**; 348/207
[IMAGE AVAILABLE]

=> s 13 and comparison (p) (frame or field)

265907 COMPARISON
306656 FRAME
826220 FIELD

14485 COMPARISON (P) (FRAME OR FIELD)

L5 32 L3 AND COMPARISON (P) (FRAME OR FIELD)

=> d 1-32

1. 5,307,083, Apr. 26, 1994, **Grayscale** video conversion system;
Chuck Snodgrass, et al., **345/1**, **20**, **147** [IMAGE AVAILABLE]

2. 5,266,941, Nov. 30, 1993, Apparatus and method for controlling
storage of display information in a computer system; Kurt Akeley, et al.,
345/201, **24**, **133** [IMAGE AVAILABLE]

3. 5,264,840, Nov. 23, 1993, Method and apparatus for vector aligned
dithering; Stuart C. Wells, et al., **345/147**; 358/457 [IMAGE
AVAILABLE]

4. 5,250,933, Oct. 5, 1993, Method and apparatus for the simultaneous
display of one or more selected images; Raymond A. Beaudin, et al.,
345/115, **185**; 348/163; 364/413.22 [IMAGE AVAILABLE]

5. 5,227,985, Jul. 13, 1993, Computer vision system for position
monitoring in three dimensions using non-coplanar light sources attached
to a monitored object; Daniel F. DeMenthon, 364/559; **345/158**; 364/516
[IMAGE AVAILABLE]

APS search
serial no. 08/238,444
art unit 2615

page no. 3

6. 5,168,531, Dec. 1, 1992, Real-time recognition of pointing information from video; Claude Sigel, 382/48; **345/137**, **157**;
382/16, 42 [IMAGE AVAILABLE]
7. 5,164,717, Nov. 17, 1992, Method and apparatus for the dithering of antialiased vectors; Stuart C. Wells, et al., **345/149**;
358/455, 457, 458 [IMAGE AVAILABLE]
8. 5,133,050, Jul. 21, 1992, Telescope operating system; Douglas B. George, et al., 395/135; **345/9**;
395/140 [IMAGE AVAILABLE]
9. 5,091,720, Feb. 25, 1992, Display system comprising a windowing mechanism; Roger T. Wood, **345/185**,
120;
395/131, 157 [IMAGE AVAILABLE]
10. 5,079,636, Jan. 7, 1992, Modular flat-screen television displays and modules and circuit drives therefor; Thomas P. Brody, 348/383;
345/55,
205,
903;
348/791, 802 [IMAGE AVAILABLE]
11. 5,068,740, Nov. 26, 1991, Modular flat-screen television displays and modules and circuit drives therefor; Thomas P. Brody, 348/383;
345/206,
903;
348/803 [IMAGE AVAILABLE]
12. 5,067,021, Nov. 19, 1991, Modular flat-screen television displays and modules and circuit drives therefor; Thomas P. Brody, 348/383;
345/206,
903;
348/803 [IMAGE AVAILABLE]
13. H 996, Nov. 5, 1991, High resolution page image display system; Lynn D. McWaters, et al., **345/149**,
132 [IMAGE AVAILABLE]
14. 5,058,994, Oct. 22, 1991, Liquid crystal apparatus; Tadashi Mihara, et al., **345/97**,
208;
359/56, 85 [IMAGE AVAILABLE]
15. 5,014,048, May 7, 1991, Matrix display systems; Alan G. Knapp, **345/91**,
58,
94,
208;
359/55 [IMAGE AVAILABLE]
16. 5,010,327, Apr. 23, 1991, Method of driving a liquid crystal matrix panel; Naohide Wakita, et al., **345/89**,
94,
148 [IMAGE AVAILABLE]
17. 4,982,275, Jan. 1, 1991, Modular flat-screen color television displays and modules and circuit drives therefor; Thomas P. Brody, 348/383;
345/55,
205;
348/791, 803 [IMAGE AVAILABLE]
18. 4,982,273, Jan. 1, 1991, Modular flat-screen color television displays and modules and circuit drives therefor; Thomas P. Brody, 348/383;
345/55,
205;
348/791, 803 [IMAGE AVAILABLE]
19. 4,982,272, Jan. 1, 1991, Modular flat-screen color television

APS search
serial no. 08/238,444
art unit 2615

page no. 4

displays and modules and circuit drives therefor; Thomas P. Brody, 348/383; **345/55**, **205**; 348/791, 803 [IMAGE AVAILABLE]

20. 4,980,775, Dec. 25, 1990, Modular flat-screen television displays and modules and circuit drives therefor; Thomas P. Brody, 348/383; **345/87**, **205**; 348/803 [IMAGE AVAILABLE]

21. 4,980,774, Dec. 25, 1990, Modular flat-screen television displays and modules and circuit drives therefor; Thomas P. Brody, 348/383; **345/55**, **205**; 348/803 [IMAGE AVAILABLE]

22. 4,823,120, Apr. 18, 1989, Enhanced video graphics controller; Laurence A. Thompson, et al., **345/199**, **153** [IMAGE AVAILABLE]

23. 4,816,814, Mar. 28, 1989, Vector generator with direction independent drawing speed for all-point-addressable raster displays; Leon Lumelsky, **345/135** [IMAGE AVAILABLE]

24. 4,775,859, Oct. 4, 1988, Programmable interlace with skip and contrast enhancement in long persistence display systems; Cornelius J. Starkey, IV, et al., **345/13**, **27** [IMAGE AVAILABLE]

25. 4,531,160, Jul. 23, 1985, Display processor system and method; Dennis C. Ehn, 348/798; **345/147**, 348/739; 358/298 [IMAGE AVAILABLE]

26. 4,497,024, Jan. 29, 1985, Nuclear image display controller; David A. Roth, 364/413.23; 128/659; 250/363.02; **345/185**, 348/441; 378/901; 382/6 [IMAGE AVAILABLE]

27. 4,412,230, Oct. 25, 1983, Apparatus and method for producing images on a photosensitive media; Paul R. Goldberg, 346/110R; **345/27**, 346/136; 358/348 [IMAGE AVAILABLE]

28. 4,020,281, Apr. 26, 1977, Iterative coordinate data approximation system for photoemissive pixel pattern displays; John Ephraim Davis, Jr., 178/18; **345/10**, 364/822; 382/48, 59 [IMAGE AVAILABLE]

29. 4,017,680, Apr. 12, 1977, Methods and apparatus involving light pen interaction with a real time display; Robert William Anderson, et al., 348/707; **345/180** [IMAGE AVAILABLE]

30. 3,988,533, Oct. 26, 1976, Video-type universal motion and intrusion detection system; Peter Mick, et al., 348/155; **345/117**, 348/207 [IMAGE AVAILABLE]

31. 3,915,548, Oct. 28, 1975, Holographic lens and liquid crystal image source for head-up display; Eugene W. Opitek, et al., **345/7**, **87**, 348/41, 115, 790; 359/19, 54; 434/44 [IMAGE AVAILABLE]

APS search
serial no. 08/238,444
art unit 2615

page no. 5

32. 3,743,773, Jul. 3, 1973, IMAGE DISPLAY PANEL; Alan Sobel, 348/800;
315/169.1, 169.3; **345/205** [IMAGE AVAILABLE]

=> file jpoabs

FILE 'JPOABS' ENTERED AT 08:55:26 ON 30 AUG 94

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* * * * *
*   J A P A N E S E   P A T E N T   A B S T R A C T S   *
*
* CURRENTLY, DATA IS LOADED THROUGH THE ABSTRACT PUBLICATION *
* DATE OF DECEMBER 31, 1993 *
* THE LATEST GROUPS RECEIVED ARE: C1141 E1473, M1526 & P1652. *
* * * * *
```

=> s grayscale or gray scale or greyscale or grey scale

```
      0 GRAYSCALE
    1520 GRAY
   24911 SCALE
     124 GRAY SCALE
        (GRAY(W) SCALE)
      0 GREYSCALE
     172 GREY
   24911 SCALE
     10 GREY SCALE
        (GREY(W) SCALE)
```

L6 132 GRAYSCALE OR GRAY SCALE OR GREYSCALE OR GREY SCALE

=> s l6 and compar#### (p) (frame or field)

```
   174117 COMPAR####
   109593 FRAME
    97121 FIELD
     8280 COMPAR#### (P) (FRAME OR FIELD)
L7      0 L6 AND COMPAR#### (P) (FRAME OR FIELD)
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=> log y

U.S. Patent & Trademark Office LOGOFF AT 08:59:42 ON 30 AUG 94